Owner's Manual

Harrington & Richardson® Rifles

New England Firearms Rifles

IMPORTANT

This manual contains operating, care and maintenance instructions. To assure safe operation, any user of this firearm must read this manual carefully. Failure to follow the instructions and warnings in this manual can cause accidents resulting in injury or death. This manual should always accompany this firearm, and be transferred with it upon change of ownership.

WARNING: KEEP THIS FIREARM OUT OF THE REACH OF CHILDREN, UNAUTHORIZED INDIVIDUALS, AND OTHERS UNFAMILIAR WITH THE SAFE HANDLING OF FIREARMS.

This firearm was manufactured by H&R 1871, LLC, and has been tested using proof and service ammunition that meets Sporting Arms & Ammunition Manufacturers Institute (SAAMI) & American National Standards Institute (ANSI) performance standards.

H&R 1871, LLC assumes no liability or responsibility for injury or damages resulting from misuse, neglect, alterations, the use of parts not of our manufacture or the use of ammunition that is faulty, handloaded, reloaded or not made to the above standards.

SERIAL NUMBER NOTICE: To assist in keeping all custom-fit barrels paired up with their respective receivers, we have etched the last three digits of the serial number on the left side of the barrel lug. If this firearm is a "combo", each additional barrel also has the last three digits of the serial number etched on the left side of the lug.

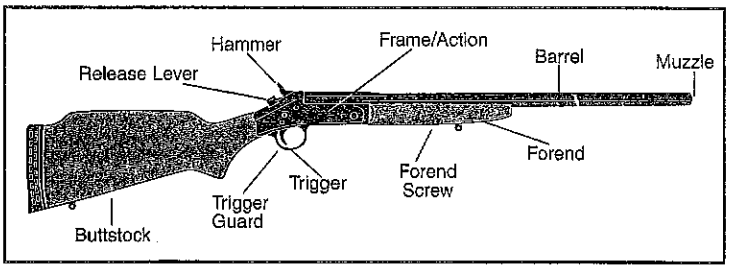
Do not attempt to mount a barrel on this firearm without ensuring the last three digits of the serial number match. Serious injury or damage to the firearm could result.

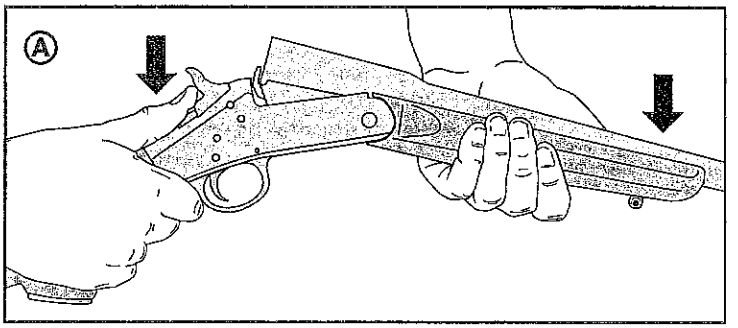
Before You Use This Firearm

It is very important that you read and understand this manual before using this firearm. Warnings should be read and heeded carefully. Also follow "The Guide to Firearm Safety", in this manual.

- WARNING: Your rifle is shipped completely assembled and should not be used or disassembled without fully reading and understanding the instructions in this Owner's Manual.
- WARNING: It is a violation of federal law to alter or deface the serial number of any firearm.

Refer to the drawing below for location of the components named in this manual. This firearm has been treated with protective oils before leaving the factory and must be thoroughly cleaned before use. With the firearm pointed in a safe direction, press the release lever and, while holding it down, apply downward force on the barrel in the area of the forend to open the action (See A). Make sure the firearm is not loaded, and wipe all exterior surfaces with a clean soft cloth to remove excess oil.





Opening the action

Using a cleaning rod and patches of the proper size for your firearm, push the patches through the bore, starting at the chamber end, until the patches come out clean. If the firearm is to be stored prior to use, lightly oil the interior and exterior metal parts. Be sure to clean again before using.

How the Firing Mechanism Operates

All shotguns and rifles manufactured by H&R 1871, LLC have a built-in "transfer bar" type mechanism. When the hammer is in the fully forward (un-cocked) position and the trigger is fully forward, there is no contact between the hammer and the firing pin (See B). **This is the normal carrying position.**

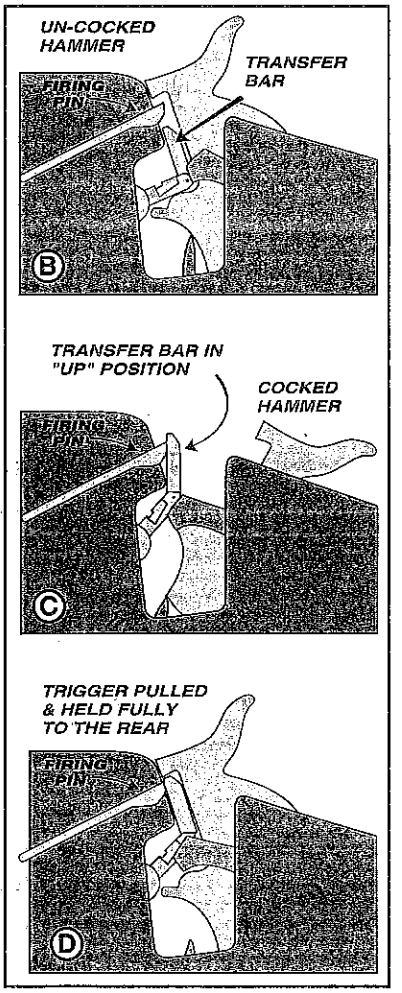
When the hammer is manually pulled back fully into the cocked position, the transfer bar moves upward to form a bridge between the hammer and the firing pin (See C). When the hammer is in the cocked position and the trigger is pulled and held, the hammer falls, striking the transfer bar, transferring the hammer blow to the firing pin (See D). As soon as the trigger is released, the transfer bar is pulled down, creating a void between the hammer and the firing pin (See B).

Loading and Firing

•WARNING: Wear impact-protective glasses when shooting, disassembling or cleaning firearms.

Make sure the hammer is forward (un-cocked) and open the action (See A). Look through the bore to be sure that there are no obstructions.

Refer to the cartridge designation stamped on the barrel. Then place the proper cartridge in the chamber and close the action with enough force to assure it is securely locked in place, and cannot be opened without pressing the release lever. **(You will hear a distinct "click" when the action locks closed.) Insure that the action is closed and locked before proceeding.** While avoiding contact with the trigger, raise the firearm and place the buttstock securely against your shoulder. Pull the hammer fully to the rear to the cocked position. Take careful aim and pull the trigger to fire.



Transfer Bar System

NOTICE: This firearm should never be dry fired, as damage could occur to the barrel and/or firing pin.

Should you decide not to fire after cocking the hammer, carefully lower the firearm from your shoulder and keep the muzzle pointed in a safe direction. Carefully hold the hammer back securely with your thumb and pull the trigger (See E). Slowly let the hammer move forward approximately 1/4", then **release the trigger** (See F). Continue to guide the hammer down until it is fully forward (See B). **Practice this procedure with an empty firearm until you are thoroughly familiar with it.**

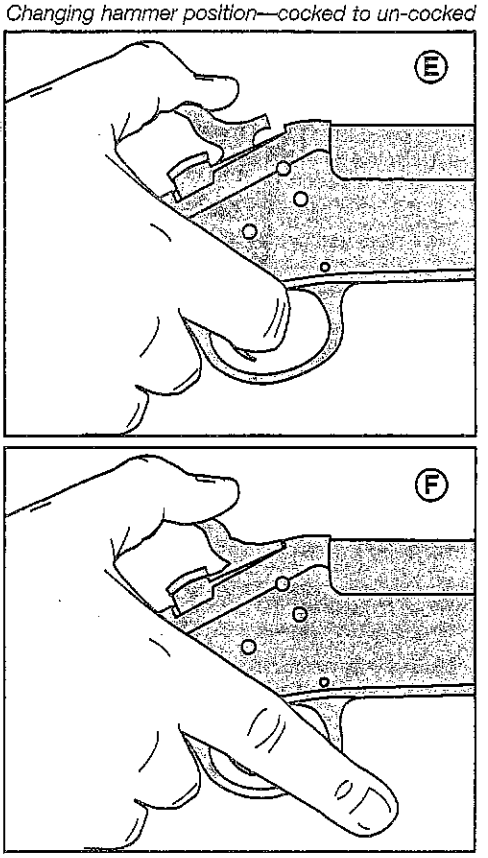
How to Unload Your Firearm

This firearm has an "automatic ejection" feature which ejects both fired and unfired cartridges when the action is opened.

To eject a fired casing or an unfired round of ammunition from the firearm, first point the muzzle in a safe direction and ensure no one is in the ejection path. Press the release lever and open the

firearm fully (See A). The empty casing or unfired round will automatically be ejected from the firearm. Using extreme care, fired or unfired cartridges can be caught as they are ejected from the chamber. (Always handle live ammunition carefully to avoid accidental discharge.)

Changing hammer position—cocked to un-cocked



•WARNING: In case of a misfire, keep the firearm pointed in a safe direction and wait one minute before opening firearm.

Rifle Sights

Some models have fully adjustable rear sights. To adjust for windage, turn the screw located at the right rear of the sight clockwise to move the point of impact to the left, and counter-clockwise to move it to the right. Elevation is adjusted by turning the screw located on the top of the sight clockwise to lower the point of impact, and counter-clockwise to raise the point of impact.

Combination Guns with Additional Barrel(s)

To change the barrel, you need a Phillips head screwdriver. First, make sure the firearm is unloaded and pointed in a safe direction, and the action is closed. Remove the forend screw and pull the forend down and off the barrel. Holding the barrel with one hand, push down on the release lever and open the action. Remove the barrel from the frame by pushing rearward and upward on the barrel. To install a barrel, reverse the procedure above. Replace the forend and be sure the forend screw is securely fastened.

•WARNING: Do not attempt to interchange barrels from one H&R or NEF frame to another. Doing so could result in injury or death. Interchangeable barrels are available for some models, but they must be factory-fitted. Call our Service Department for details 866-776-9292

Guide to Firearm Safety

1. Read and understand the owner's manual before using a firearm.
2. If you are unfamiliar with firearms, attend a firearms safety class taught by a certified instructor.
3. Handle every firearm as if it were loaded and ready to fire.
4. Control the muzzle, and never point a firearm at anything you don't want to shoot.
5. Keep the safety on SAFE until you are ready to shoot.
6. Unless you are hunting, carry your firearm empty, with the action open.
7. Before shooting, be sure you have an adequate backstop. All ammunition is dangerous beyond your line of sight.
8. Avoid ricochets by never shooting at water or any hard, flat surface.
9. Do not run, climb, or jump over an obstacle with a loaded firearm.
10. Do not climb into or out of a tree or tree stand with a loaded firearm. Do not allow others to pass loaded firearms to you while in a tree stand.
11. Do not enter or ride in a motor vehicle with loaded firearms.
12. Do not lean a loaded firearm against anything.
13. Do not bump, drop or jar a loaded firearm.
14. Do not pull a firearm toward you by the muzzle.
15. Wear hearing protectors when shooting.
16. Wear impact-protective glasses when shooting, disassembling or cleaning firearms.
17. Avoid alcoholic beverages and drugs before and during shooting.
18. Use only ammunition of the correct gauge, caliber, size and bullet shape for your firearm.
19. Do not use damaged, dirty, modified, or improperly handloaded ammunition.
20. Keep the barrel and mechanism of the firearm free of obstructions.
21. Do not use a firearm that fails to function properly. Do not try to force a jammed action.
22. Be sure no one is in the path of ejecting shells or cartridges.
23. Do not interchange parts between firearms, and be sure disassembly and reassembly are correct and complete.
24. Before cleaning, be sure the chamber, action and magazine are completely unloaded.
25. Unload firearms before storing, transporting, or leaving unattended.
26. Store firearms and ammunition separately, locked and out of the reach of children.

Failure to follow these rules, or other instructions in this manual, can result in personal injury or death.

Health Warning: Discharging of firearms in poorly ventilated areas and handling ammunition may cause exposure to lead and/or lead compounds. Exposure may cause cancer, birth defects or damage to the kidney, nervous, blood forming and reproductive systems. Have adequate ventilation at all times, especially in confined areas. Wash hands thoroughly after shooting, handling ammunition, or cleaning a firearm. Do not eat or smoke during these activities.

Safety Warning: We strongly recommend that you take a hunter safety course, taught by a certified instructor, before you use this firearm. Your State Fish & Game Department or a local gun shop can suggest courses in your area.

Safety Warning: Keep this firearm out of the reach of children, unauthorized individuals, and others unfamiliar with the safe handling of firearms.

LIMITED WARRANTY

H&R 1871, LLC

TWO YEAR LIMITED WARRANTY AGAINST DEFECTS IN MATERIAL & WORKMANSHIP

This firearm warranty is good only to the ORIGINAL OWNER who has registered his ownership with H&R 1871, LLC at 60 Industrial Rowe, Gardner, MA.

WARRANTY and CERTIFICATE OF OWNERSHIP card **must** be completed and mailed to H&R 1871® at the above address WITHIN TEN (10) DAYS of purchase to insure the protection of the warranty. NOTICE of defect in materials and/or workmanship **must** be received by the company WITHIN TWO (2) YEARS from the date of purchase.

Normal wear, or damage resulting from neglect, abuse, alteration, or repairs not made or authorized by H&R 1871® or use of non-H&R parts are not covered by the warranty.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

H&R 1871, LLC'S PERFORMANCE UNDER THE ABOVE WARRANTY

1. After notice of defect in material and/or workmanship is received by H&R 1871, LLC, H&R shall send instructions for shipment of the firearm; and repairs will be made and the firearm returned within a reasonable time after the firearm is received. Cost of shipping, insurance charges, etc. involved in returning the firearm to the company shall be prepaid by the original owner.
2. Cost of parts and labor performed shall be provided without charge by H&R 1871®.
3. If H&R 1871®, after receipt of the firearm, determines that the defects in material and/or workmanship were the result of abuse and/or neglect, or otherwise not covered by the warranty set forth above, H&R shall notify such owner to that effect and give an estimate for repair. In such cases, repair, return shipping and insurance charges, etc. shall be paid by such owner.
4. In the event that H&R 1871® is unable to make warranty repairs to the firearm, it shall, within a reasonable time after its receipt, notify the owner to that effect and give him the option either to receive a replacement of the same model, if then available in its inventory, or to receive a refund, either of which, if feasible, will be made through the store of purchase.

H&R 1871, LLC • 60 Industrial Rowe • Gardner, MA 01440 U.S.A. • www.hr1871.com

⚠ WARNING

Children are attracted to and can operate firearms that can cause severe injuries or death.

Prevent child access by always keeping guns locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison.

⚠ ADVERTENCIA

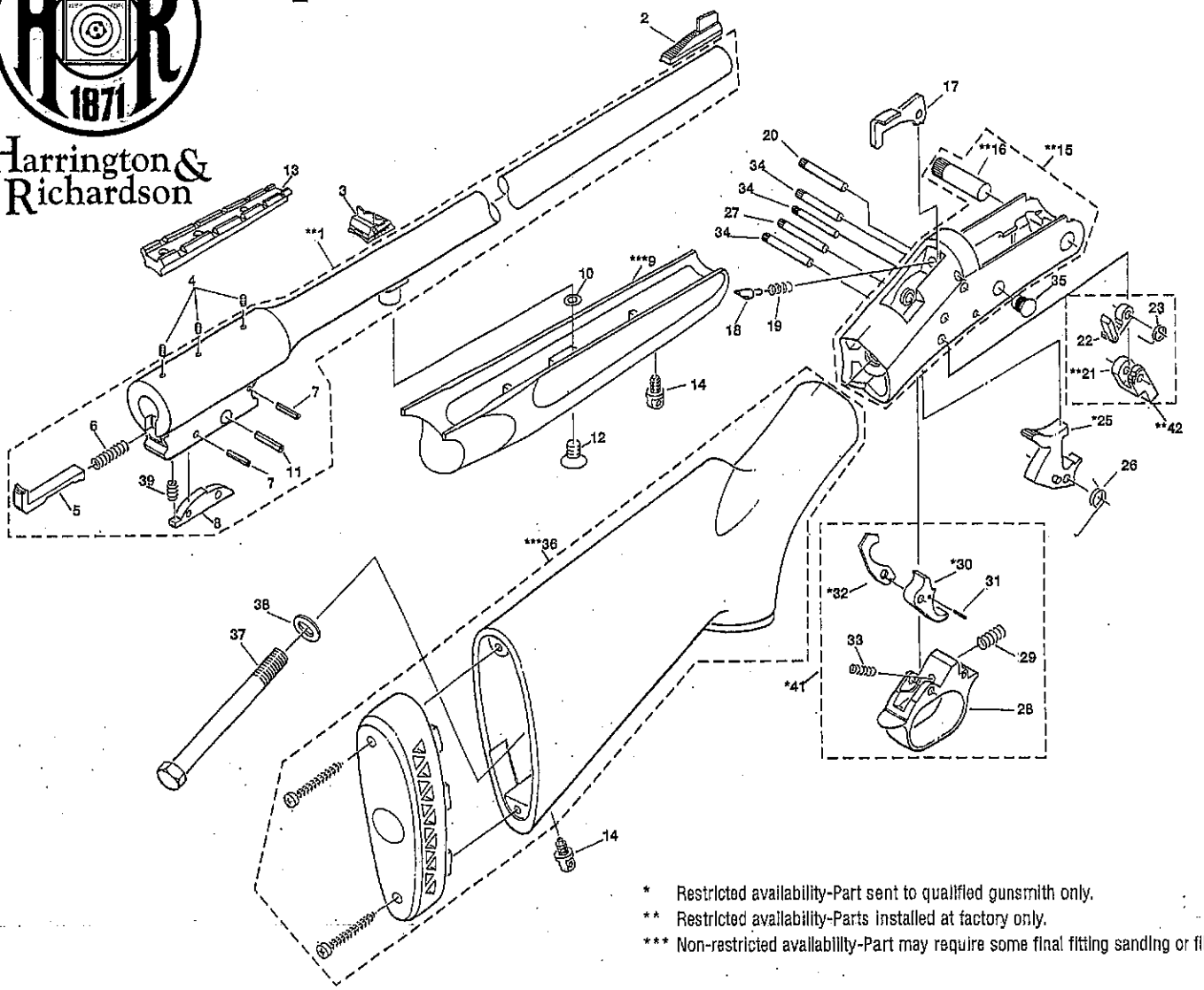
A los niños los atraen las armas de fuego y las pueden hacer funcionar. Ellos pueden causarse lesiones graves y la muerte.

Evite que los niños tengan acceso a las armas de fuego guardándolas siempre con llave y descargadas cuando no las esté utilizando. Si usted tiene un arma de fuego cargada en un lugar en que un niño tiene acceso a ella y la usa indebidamente, le pueden dar una multa o enviarlo a la carcel.

H&R 1871 • P.O. Box 1871 • Madison, NC 27025
Phone 866-776-9292 • www.hr1871.com

Sportster™/Versa Pack™

Harrington & Richardson



* Restricted availability-Part sent to qualified gunsmith only.

** Restricted availability-Parts installed at factory only.

*** Non-restricted availability-Part may require some final fitting sanding or filing.

ILL. NO.	PART NAME
**1	BARREL
2	SIGHT-FRONT
3	DOVETAIL-REAR SIGHT
3	ELEVATOR-REAR SIGHT
4	DELRIN FILLER SCREW
5	EJECTOR
6	EJECTOR SPRING
7	PIN EJECTOR LATCH
8	EJECTOR LATCH
***9	FOREND
10	SPACER RING-FOREND
11	EJECTOR STOP PIN
12	SCREW-FRD.
13	SCOPE BASE
14	SWIVEL STUD
**15	FRAME
**16	JOINT PIN
17	RELEASE LEVER
18	FIRING PIN
19	SPRING-FIRING PIN
20	RELEASE LEVER PIN
**21	BARREL CATCH
22	STRIKER

ILL. NO.	PART NAME
23	LIFTER SPRING
24	HAMMER EXTENSION (NOT SHOWN)
*25	HAMMER
26	HAMMER SPRING
27	TRIGGER GRD. PIN
28	TRIGGER GRD.
29	BARREL CATCH SPRING
*30	TRIGGER
31	TRIG. EXTEN PIN
*32	TRIG EXTENSION
33	SPRING TRIGGER
34	HMR, TRIG & CTCH PIN
35	VIEW HOLE PIN
***36	STOCK
37	SCREW TANG
38	WASHER TANG SCREW
39	SPRING EJECTOR LATCH
40	BARREL SHROUD (NOT SHOWN)
*41	TRIGGER GUARD ASS'Y.
**42	BRL. CATCH STRIKER ASS'Y.
43	SHROUD SCREW (NOT SHOWN)

ILL. NO.	PART NAME	SPORTSTER 17 M2 RIMFIRE SS1-217 17 MACH 2	SPORTSTER 17 HORNADY MAGNUM RIMFIRE SS1-017 17 HMR	SPORTSTER SS1-022 22S, L, R	SPORTSTER SS1-M22 22 WMR	SPORTSTER YOUTH SS1-Y22 22S, L, R	22/410 VERSA-PACK SCY-42S 22S, L, LR	410 BORE
**1	BARREL	R03264	R02954	R03811	R03810	R03811	R03232	S02779
2	SIGHT-FRONT	N/A	N/A	R03809	R03809	R03809	R03803	S03433
3	DOVETAIL-REAR SIGHT	N/A	N/A	R03651	R03651	R03651	R03651	N/A
3	ELEVATOR-REAR SIGHT	N/A	N/A	R03652	R03652	R03652	R03652	N/A
4	DELRIN FILLER SCREW	N/A	N/A	R03102	R03102	R03102	R03102	
5	EJECTOR	R02809	R02809	R02809	R02809	R02809	R02908	S02705
6	EJECTOR SPRING	S01695	S01695	S01695	S01695	S01695	S01695	S01695
7	PIN EJECTOR LATCH	S01676	S01676	S01676	S01676	S01676	S01676	S01676
8	EJECTOR LATCH	S01208	S01208	S01208	S01208	S01208	S01208	S01208
***9	FOREND	S02165	S02165	S02165	S02165	S02165	S02209	
10	SPACER RING-FOREND	N/A	N/A	S02641	S02641	S02641	N/A	
11	EJECTOR STOP PIN	S01677	S01677	S01677	S01677	S01677	S01677	S01677
12	SCREW FRD.	S01279	S01279	S03152	S03152	S03152	S03152	
13	SCOPE BASE	R01331	R01331	N/A	N/A	N/A	N/A	
14	SWIVEL STUD	S01851	S01851	S01851	S01851	S01851	N/A	
**15	FRAME	R02728	R02728	R02728	R02728	R02728	S03649	
**16	JOINT PIN	S01207	S01207	S01207	S01207	S01207	S01207	
17	RELEASE LEVER	S01203	S01203	S01203	S01203	S01203	S01203	
18	FIRING PIN	R03341	R03341	R03341	R03341	R03341	R02845	
19	SPRING-FIRING PIN	S01697	S01697	S01697	S01697	S01697	S01697	
20	RELEASE LEVER PIN	S02161	S02161	S02161	S02161	S02161	S02161	
**21	BARREL CATCH	S03643	S03643	S03643	S03643	S03643	S03643	
22	STRIKER	S02043	S02043	S02043	S02043	S02043	S02043	
23	LIFTER SPRING	S01693	S01693	S01693	S01693	S01693	S01693	
24	HAMMER EXTENSION	S01461	S01461	N/A	N/A	N/A	N/A	
*25	HAMMER	S01202	S01202	S01202	S01202	S01202	S01202	
26	HAMMER SPRING	S01691	S01691	S01691	S01691	S01691	S01691	
27	TRIGGER GRD. PIN	S01670	S01670	S01670	S01670	S01670	S01670	
28	TRIGGER GRD.	S01204	S01204	S01204	S01204	S01204	S01204	
29	BARREL CATCH SPRING	S04006	S04006	S04006	S04006	S04006	S04006	
*30	TRIGGER	S01205	S01205	S01205	S01205	S01205	S01205	
31	TRIG EXTEN PIN	S01191	S01191	S01191	S01191	S01191	S01191	
*32	TRIG EXTENSION	S01221	S01221	S01221	S01221	S01221	S01221	
33	SPRING TRIGGER	S04005	S04005	S04005	S04005	S04005	S04005	
34	HMR, TRIG & CTCH PIN	S02160	S02160	S02160	S02160	S02160	S02160	
35	VIEW HOLE PIN	S03636	S03636	S03636	S03636	S03636	S03636	
***36	STOCK	R02700	R02700	S02164	S02164	R02635	R02634	
37	SCREW TANG	S01723	S01723	S01723	S01723	S01723	S01723	
38	WASHER TANG SCREW	S01755	S01755	S01755	S01755	S01755	S01755	
39	SPRING EJECTOR LATCH	S01696	S01696	S01696	S01696	S01696	S01696	S01696
40	BARREL SHROUD	N/A	N/A	N/A	N/A	N/A	R03585	
*41	TRIGGER GUARD ASS'Y.	S02197	S02197	S02197	S02197	S02197	S02197	
**42	BRL. CATCH STRIKER ASS'Y.	S02042	S02042	S02042	S02042	S02042	S02042	
43	SHROUD SCREW	N/A	N/A	N/A	N/A	N/A	R02971	

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